



Young Scholars Congress 2023

Focused on

**Resilience to impacts of climate change
on ecosystems and livelihood of Kerala**

Date: 5-6 January 2023

Venue: KILA Campus Mulamkunnathukavu, Thrissur, Kerala

Organized By



KSSP
Kerala Sasthra
Sahithya Parishad



KILA
Kerala Institute of
Local Administration

Background

The adverse impact of climate change is already noticed across the World in all society-linked sectors due to weather-related disasters in the form of cyclones, floods, droughts, cold and heat waves, and sea level rise. It is important to understand the impact of climate variability/climate change on all sectors of society as a proactive measure for the sustenance. The rise in global temperature is likely to be around 2-2.5°C by the end of this century with regional uncertainties in rainfall. It is a threat to the society-linked sectors viz., Agriculture, Animal Farming, Water Resources, Forestry, Biodiversity (both terrestrial and aquatic), Infrastructure, and Health. Greater initiatives have been taken by various research and development institutes and Universities in Kerala in understanding the impacts of climate change in various society-linked sectors.

Young scholars/researchers conduct studies in climate change-related sectors as part of their Master's and Doctoral programs. But most of the findings of the research are not widely discussed on an open platform and so it ends in academia. It is important that relevant findings which have social as well as scientific importance are openly discussed for the development practices. This proposed young Scholars Congress will provide the young researchers an opportunity to disseminate the findings of their study. IPCC reports proclaim that our Planet is likely to face catastrophic menace in the near future. This points to urgent need for developing alternative development models to resist the effects of global warming and climate change. The Sustainable Development Goals could be achieved only by understanding timely changes in the socioeconomic and environmental situation of the state.

The organizers believe that almost all aspects of climate change will be covered in the proposed Science congress. We are hopeful that the proposed Young Scholars Congress will be an important event and will give us an insight into better development strategies to safeguard our planet/life support system from the threats of global warming and climate change.

Topic

Resilience to impacts of climate change on ecosystems and livelihood of Kerala

Sub Topics

Agriculture, Animal Husbandry and Livelihood

- 1) Crop weather relationships and forecasting models
- 2) Impact of climate change on agriculture production, animal husbandry, and livelihood
- 3) Soil nutrient dynamics
- 4) Plant and animal health
- 5) Climate resilient technologies and farmer practices

Forestry and Biodiversity

- 1) Impact of climate change on forest wealth
- 2) Threat to biodiversity and forest ecosystem balance
- 3) Human-animal conflicts
- 4) Institutions and market-based tools in forest management
- 5) Agroforestry systems - Trees outside the forest, sacred groves

Wetland, Coastal Ecosystems and Fisheries

- 1) Vulnerability of coastal ecosystems to climate change
- 2) Ecosystem services flow from wetlands
- 3) Special agro-ecological zones (Kole, Kuttanad, Pokkali, Kaipad) and potential impacts
- 4) Impact of climate change on fisheries sector and livelihood
- 5) Threat to marine and inland systems

Water Resources

- 1) Impact on ground water resources
- 2) Impact on surface water resources
- 3) Water quality and management
- 4) Water conservation technologies and consumption practices
- 5) Hydrology and river management

Climate Change Hazards and Risk Reduction

- 1) Climate variability/ climate change, trend analysis
- 2) Climate change, nature-based solutions, adaptation, and mitigation
- 3) Extreme weather events and climate hazards (Droughts, floods, heat and cold waves, tropical cyclones and temperature extremes, etc.)
- 4) Disaster risk reduction mapping and management
- 5) Climate modeling, aerosols, monsoon dynamics, and teleconnections

Public Health

- 1) Climate change and Epidemics
- 2) Animal-borne water-borne and air-borne diseases
- 3) Nutritional deficiency and related problems
- 4) Diseases due to temperature rise and heat waves

Objectives

- To provide a platform for young scholars to deliberate their research findings on climate change impacts
- To document climate change impacts on various ecosystems and livelihoods with special reference to Kerala
- To identify various methods of resilience to overcome the detrimental impacts of climate change on various ecosystems.
- To develop appropriate climate change adaptation and mitigation strategies for ecosystems and livelihood.

Who Can Participate?

- Post Graduate Students
- Research Scholars
- Researchers below 35 years of age

Style of Paper submission

Abstract

Not more than 300 words, Font Type: English - Times New Roman, Malayalam Manjari (Unicode). Font Size: 12

Full Paper

Note more than 15 A4 papers Font Type: English - Times New Roman, Malayalam Manjari (Unicode). Font Size: 12

Publication

Submitted papers/abstracts will be evaluated by the scientific committee. If the abstract is accepted, the author agrees to send the full-text paper including tables, figures, results and discussion, methodology, and references. The research papers should be original and previously unpublished research results. Full-text papers will be accepted by electronic submission form. The selected papers will be published in the journal of KILA as well as an edited book, which will be brought out by the Kerala Sasthra Sahithya Parishad.

Important Dates

- Submission of Abstract deadline: 20th October, 2022
- Submission of the full paper deadline; 30th November, 2022
- Young Scholars' Congress dates: 5-6, January, 2023

We encourage you to participate in the congress and submit original research papers

Venue

KILA campus, Mulamkunnathukavu, Thrissur, Kerala.



Academic Core Group

Dr. Joy Elamon, Director KILA

Dr. Gopakumar Cholayil, Scientific Officer (Retd.), KAU and Chairman Organising Committee

Dr. K. Vidyasagar, Dean (Retd.), College of Forestry, Kerala Agricultural University (KAU)

Dr. P. Indira Devi, ICAR Emeritus Professor & Director of Research (Retd.) KAU

Dr. S. Sreekumar, Former Director IRTC, HOD of Geology and Environmental Science. (Retd.), Christ College, Irinjalakkuda, Thrissur

Dr. T. V. Sajeev, Chief scientist, KFRI, Peechi.

Dr. P. S. John, Professor. (Retd.), KAU

Prof. K. R. Janardhanan, Former Vice Principal, N.S.S, College, Nemmara

Prof. V. R. Raghunandhanan, Professor (Retd.), KAU

Dr. C. C Babu, Former Principal (Retd.), University College, Trivandrum

Dr. C. L. Joshy, Former Registrar (Retd.), University of Calicut

Dr. K. Rajesh, Prof, Centre for Urban Governance, KILA

Dr. Monish Jose, Assistant Professor, KILA

Dr. Biju S., Professor. College of Veterinary Science (KVASU), Mannuthy

Dr. T. K. Kunhamu, Professor & Head, Dept. of Silviculture and Agroforestry, College of Forestry, (KAU).

Dr. Hema M., Assistant Professor (Agrl. Economics), College of Agriculture, Vellanikkara.

Dr. Sudhiraj, Associate Professor, Community Medicine, Medical College, Alappuzha.

Dr. Sajna M. V., Associate Professor, Community Medicine, Medical College, Idukki.

About Organisers

Kerala Institute of Local Administration

Kerala Institute of Local Administration (KILA) is an autonomous institution functioning for the Local governments in Kerala. It was registered under the Travancore-Cochin Literary, Scientific and Charitable Societies Act 1955. The Central university of Kerala has recognized it as a Research centre attached to the Department of International Relations w.e.f 14 July 2014.

Ever since its inception in 1990, KILA has been engaged in a myriad of capacity-building interventions on local governance and decentralization; including training, action research, publications, seminars and workshops, consultancy, documentation, handholding, and information services.

Kerala Sasthra Sahithya Parishad

Kerala Sasthra Sahithya Parishad is a progressive outfit in the state of Kerala, India. It was conceived as a people's science movement. At the time of its founding in 1962, it was a 40-member group consisting of science writers and teachers with an interest in science from a social perspective. Over the past six decades, its membership has grown to over 65,000 individuals, in more than 1,300 units spread all over Kerala. In 1996, the group received the Right Livelihood Award "for its major contribution to a model of development rooted in social justice and popular participation".

KSSP chose as its mission, the challenge of arming people with the tools of science and technology so that they can reverse this process of monopolizing the benefits of science and technology by a privileged minority. The Paradigm shift in the basic principle of the organization to "science for social revolution" in the year 1974 greatly influenced the progressive nature of development of the sociopolitical environment of the state. KSSP has conducted various studies and programmes in different disciplines that affect the livelihood of Kerala. "Kerala Padanam", a study conducted in 2004 was to understand how people of Kerala think and live. The results of this study are widely used for developmental activities in Kerala.



Young Scholars Congress 2023

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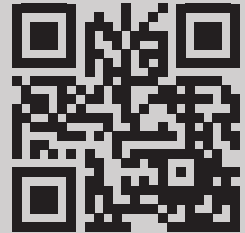
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